

Anthony F. Philipps, M.D.

Clinical Interests Dr. Philipps is a specialist in neonatal-perinatal medicine. Previous to coming to UC Davis, he was section chief of neonatology and developmental biology at the University of Arizona Health Sciences Center. In addition to his clinical interests in neonatology, Dr. Philipps has had significant research interest in NIH-sponsored studies related to fetal metabolism and the endocrinology of fetal growth, with particular reference to diabetes in pregnancy. In other NIH funded projects, he also studied the biological significance of growth factors (hormones) present normally in milk and their potential positive effects on growth and development of premature infants. Most recently he and others in the UC Davis Division of Neonatology and in the Department of Nutrition, School of Agriculture and Environmental Sciences are collaborating on a project related to the effects of maternal zinc deficiency on later insulin resistance and obesity in offspring, using an animal model.

Title Professor of Pediatrics

Specialty Pediatric Neonatology

Department Pediatrics

Division Neonatology

Center/Program Affiliation [UC Davis Children's Hospital](#)

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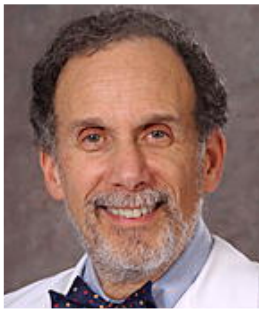
Education M.D., University of Chicago Pritzker School of Medicine, Chicago, Illinois, 1970
B.A., University of Chicago, Chicago, Illinois, 1966

Internships University of Colorado Medical Center, Denver, Colorado, 1970-72

Residency University of Colorado Medical Center, Denver, Colorado, 1970-72
University of Colorado Medical Center, Denver, Colorado, 1974-75

Fellowships University of Colorado Medical Center, Denver, Colorado, 1975-77

Board Certifications American Board of Pediatrics, 1975
American Board of Pediatrics, Neonatal-Perinatal Medicine, 1977



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Select Recent Publications

- Loomba-Albrecht LA, Bremer AA, Wong A, Philipps A. Neonatal Cholestasis Due to Hyperthyroidism: An Unusual Case and Clinical Implications. *J Pediatr Gastroenterol Nutr.* 2011 Jun 16. [Epub ahead of print]
- Philipps AF. Effects of Maternal Diabetes on the Fetus and Beyond: Interactions between the Milieu and Genome, *Japanese Journal of Perinatology and Diabetes in Pregnancy*, 11:19-24, 2011
- Jou MY, Philipps AF, Kelleher SL, Lönnerdal B. Effects of zinc exposure on zinc transporter expression in human intestinal cells of varying maturity. *J Pediatr Gastroenterol Nutr.* 2010 Jun;50(6):587-95.
- Jou MY, Philipps AF, Lönnerdal B. Maternal zinc deficiency in rats affects growth and glucose metabolism in the offspring by inducing insulin resistance postnatally. *J Nutr.* 2010 Sep;140(9):1621-7. Epub 2010 Jul 21.
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- Kling, PJ, Taing, KM, Woodward, SA, Dvorak, B, Grille JG, Williams CS, and Philipps, AF. Enteral Feeding of Insulin-Like Growth Factor-I (IGF-I) to Suckling Rats Stimulates Erythropoiesis, *Growth Factors*, 24(3), 218-23, 2006.
- Philipps, AF and Trask, LS, A History of Academic Medical Centers and Children's Hospital Designations in the United States, *J Pediatrics*, 148:147-148,2006.
- Philipps, AF. Ghrelin, energy balance and weight in infants: the chicken or the egg? *J Pediatric Gastroenterology and Nutrition*, 41(5):575-7, 2005.
- Hall, AH, Kelleher, SL, Lönnerdal, B, and Philipps, AF, A graded model of dietary Zn deficiency: effects on growth, insulin-like growth factor-I (IGF-I) and the glucose/insulin axis in weanling rats. *J Pediatric Gastroenterology and Nutrition*, 41:72-80, 2005.
- Poulain, F, Philipps AF: Section IV, Newborn Emergencies. In: *Emergency Pediatrics*. Barkin RM and Rosen, P (ed), 6th Edition, CV Mosby, St Louis, MO, 2003.
- Philipps AF: Oxygen Consumption and General Carbohydrate Metabolism of the Fetus. In: *Fetal and Neonatal Physiology*. Polin R and Fox W (eds), 3rd Edition WB Saunders, Philadelphia, Pa, pp 465-478, 2003.
- Philipps AF and Sherman MP: The Newborn Infant: Neonatal Nutrition and Gastrointestinal Function *Rudolph's Pediatrics*, 2151 Edition, Chapter 2, Section 11, pp 107-111. 2002.

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